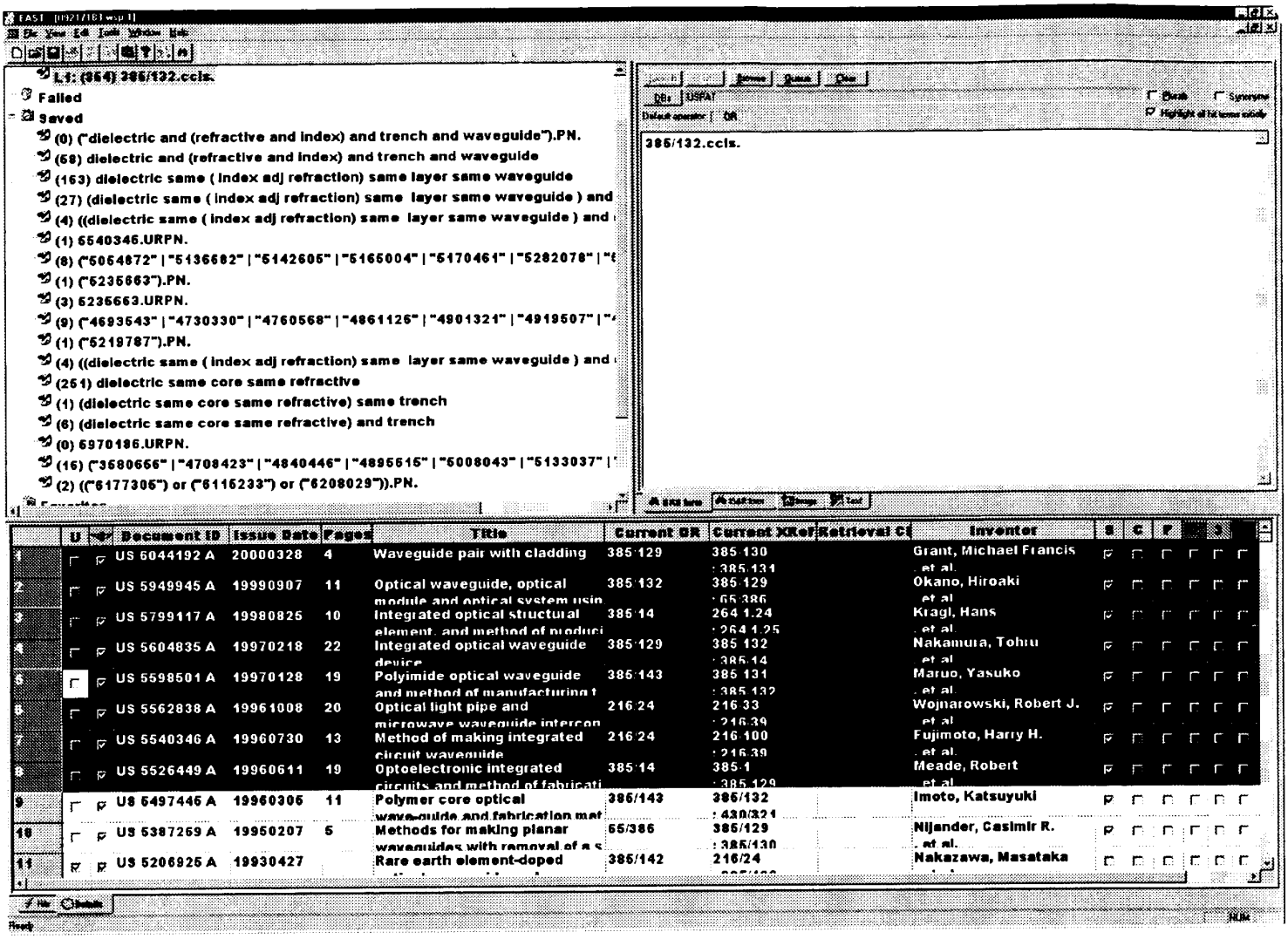

	U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval Cl	Inventor	S	C	P
1		US 6044192 A	20000328	4	Waveguide pair with cladding	385/129	385/130 ; 385/131		Grant, Michael Francis et al.			
2		US 5949945 A	19990907	11	Optical waveguide, optical module and optical system usin	385/132	385/129 ; 65/386		Okano, Hiroaki et al.			
3		US 5799117 A	19980825	10	Integrated optical structural element, and method of produci	385/14	264/1.24 ; 264/1.25		Kragl, Hans et al.			
4		US 5604835 A	19970218	22	Integrated optical waveguide device	385/129	385/132 ; 385/14		Nakamura, Tohru et al.			
5		US 5598501 A	19970128	19	Polyimide optical waveguide and method of manufacturing t	385/143	385/131 ; 385/132		Maruo, Yasuko et al.			
6		US 5562838 A	19961008	20	Optical light pipe and microwave waveguide intercon	216/24	216/33 ; 216/39		Wojnarowski, Robert J. et al.			
7		US 5540346 A	19960730	13	Method of making integrated circuit waveguide	216/24	216/100 ; 216/39		Fujimoto, Harry H. et al.			
8		US 5526449 A	19960611	19	Optoelectronic integrated circuits and method of fabricati	385/14	385/1 ; 385/129		Meade, Robert et al.			
9		US 5497446 A	19960305	11	Polymer core optical wave-guide and fabrication met	385/143	385/132 ; 430/321		Imoto, Katsuyuki			
10		US 5387269 A	19950207	5	Methods for making planar waveguides with removal of a s	65/386	385/129 ; 385/130		Nijander, Casimir R. et al.			
11		US 5206925 A	19930427		Rare earth element-doped	385/142	216/24		Nakazawa, Masataka			

optic polarization modulation by a nonlinear device, and subclasses 328 + for optical harmonic generators which could use nonlinear optics.

123 **OPTICAL FIBER WAVEGUIDE WITH CLADDING:**

This subclass is indented under the class definition.
Subject matter wherein a low refractive index sheathing or covering surrounds a higher index of refraction core of an optical fiber, in order to confine light in the core by means of total internal reflection.

(1) Note. The fiber waveguides of this subclass are of generally cylindrical configuration.

(2) Note. Planar type optical waveguides are provided for in subclass 129.

SEE OR SEARCH THIS CLASS, SUBCLASS:

100+, for an optical transmission cable which provides protection to the fibers therein.

115+, for an optical fiber bundle.

SEE OR SEARCH CLASS:

65, Glass Manufacturing, 385+ for processes of forming optical fibers or waveguides, particularly subclasses 413 + for processes of depositing a clad by vapor deposition; subclasses 420 + for processes of doping a clad; and subclass 405 for processes of simultaneously forming clad and core.

264, Plastic and Nonmetallic Article Shaping or Treating: Processes, 1.24+ for shaping, treating, or extruding optical fibers, waveguides, or preforms.

428, Stock Material or Miscellaneous Articles, 364+ for fiber stock material.

505, Superconductor Technology: Apparatus, Material, Process, appropriate subclasses for superconductors which could be in optical fiber form.

124 **With graded index core or cladding:**

This subclass is indented under subclass 123.
Subject matter wherein the index of refraction of the core or cladding material varies axially or radially.

125 **Utilizing nonsolid core or cladding:**

This subclass is indented under subclass 123.
Subject matter wherein the core or cladding material is a liquid or gas.

126 **Utilizing multiple core or cladding:**

Graded-Index Fiber	Optical fiber in which the refractive index of the core is in the form of a parabolic curve, decreasing toward the cladding.
Step Index Fiber	An optical fiber, either multimode or single mode, in which the core refractive index is uniform throughout so that a sharp step in refractive index occurs at the core to cladding interface. It usually refers to a multimode fiber.